

# ANNUAL REPORT

UPON THE

## Public Health and Sanitary Condition

OF THE

## RICCALL RURAL DISTRICT

FOR THE YEAR

1 9 0 2 .

BY

BERNARD STEDMAN,

M.D. (Lond.), D.P.H. (Camb.),


MEDICAL OFFICER OF HEALTH.

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# RICCALL RURAL DISTRICT COUNCIL.

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## ANNUAL REPORT

UPON THE

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GENTLEMEN,

I have pleasure in presenting to you my Report upon the public health and sanitary condition of the Riccall Rural District for the year 1902. The main points of interest are the exceptional freedom from infectious disease during the year and the completion of the sewerage scheme in the Barlby Parish.

Population.		Area in acres.		No. of acres per person.
3,100	...	16,750	...	5

### DEATHS AND DEATH-RATE.

48 deaths have occurred in the district, and 3 persons belonging to the district have died in public institutions elsewhere, viz., 2 in the Selby Workhouse, and 1 in the East Riding Asylum. The death-rate for the year is 16·4 per thousand. The average rate for the last 7 years, and also the rate for 1901, was 16·6.

Of total number of deaths only 17 were between the ages of 1 and 60.

## BIRTHS AND BIRTH-RATE.

77 births have been registered, giving a birth-rate of 24·8. In 1901 the rate was 30, and the average for the years 1895-1901 was 27·6.

Below are given the birth and death rates in the various parishes for 1902.

Parish.				Birth-rate.	Death-rate.	
Riccall	...	...	...	28	...	14
Cliffe	...	...	...	16	...	23
Barlby	...	...	...	30	...	14
North Duffield	...	...	...	32	...	22
Kelfield	...	...	...	31	...	1 death.
Skipwith	...	...	...	17	...	1 death.
South Duffield	...	...	...	10	...	20
Osgodby	...	...	...	26	...	31

## INFANTILE MORTALITY.

Infantile mortality is calculated as the proportion of deaths under 1 year of age to every thousand births. This year it is above the average, and as will be seen from Table IV., is due largely to cases of diarrhœa and bronchitis which proved fatal.

## INFECTIOUS DISEASES.

Only 8 cases have been notified throughout the year, none of them proving fatal. In 1901, 38 cases were reported.

The diseases from which the zymotic death-rate is calculated include the seven diseases termed “zymotic” by the Registrar-General. They are small-pox, measles, scarlet fever, diphtheria, whooping cough, fever (typhus, continued, and typhoid), and diarrhœa.

Four deaths have occurred from diarrhœa, and thus the zymotic death-rate is 1·3.

## SMALL-POX.

No cases of small-pox have occurred during the year, although there have been several in the surrounding districts.

Arrangements have been made for the admission of cases from this district into the Selby, Tadcaster, and Pontefract Joint Small-pox Hospital, near Sherburn.

## **VACCINATION.**

In view of the fact that small-pox is prevalent in so many districts in Yorkshire at the present time, it is advisable that all persons over the age of 12 who have not been re-vaccinated should submit to this small operation. Now that glycerinated calf-lymph only is used, and that arm to arm vaccination has been discontinued, many of the objections formerly raised against it have disappeared.

## **SCARLET FEVER.**

Only one case has been notified, and that from a house at Osgodby in the early part of the year.

## **ENTERIC OR TYPHOID FEVER.**

2 cases have occurred, both in the beginning of September, one at Kelfield and the other at Skipwith. In one case the patient contracted the disease in a neighbouring district. The sanitary arrangements in this house were satisfactory. In the other case the sanitary defects were found at the house.

## **DIPHTHERIA.**

5 cases have been reported, 2 were from an overcrowded house in the Barlby Parish, 2 occurred at North Duffield, and the remaining one at Kelfield. The last case was during the epidemic of this disease in the neighbouring village of Cawood, so probably the infection was from this source. The popular belief that foul gases from drains, &c., are the cause of this complaint is probably not correct. This by causing a depressed state of health or a simple ulcerated throat will no doubt render a person more susceptible. The actual cause is believed to be infection from a previous case, either one that has not been isolated for a sufficient length of time, or possibly some mild case that has been overlooked or regarded merely as an attack of sore throat.

No hospital for isolation of cases of infectious disease is available. I hope that when the proposed Selby Urban and Rural Joint Hospital is completed, some arrangement can be made for the admission of cases from this district.



## PHTHISIS OR CONSUMPTION.

6 deaths have taken place from this complaint. This is the same number as last year, and as then stated by your late Medical Officer is high for a rural district. 3 of the cases were from Cliffe.

It is most important that persons should recognise that this is an infectious disease and that the germs exist in the sputum (or phlegm). When this phlegm dries, the germs are scattered abroad in the dust, and may convey the disease to others by inhalation, especially if they are susceptible by living in overcrowded or ill-ventilated houses. The common practice of spitting in every public place is one that cannot be too strongly condemned.

## SANITARY IMPROVEMENTS CARRIED OUT DURING THE YEAR.

The main work has been the completion of the sewerage scheme for that portion of the Barlby Parish which is separated from Selby by the River Ouse.

The sewerage is conveyed in an 18 inch main along the road to the sewerage works, which are situated by the side of the river, about half-way between Selby Bridge and Barlby village.

The sewerage first flows into a small chamber, where any large masses are intercepted by an iron screen. From this it flows into a septic tank of 50,000 gallons capacity. Here purification is effected by the action of bacteria. The effluent then discharges into the river. A sewerage storage reservoir is also provided for use when the river is in flood.

Details of much other good work carried out during the year will be found in the Inspector's report.

In conclusion, gentlemen, permit me to thank you for your courtesy during the short time I have acted as your Medical Officer of Health. My thanks are also due to your Inspector, Mr. Douglas, for his aid and co-operation.

I am, gentlemen,

Your obedient servant,

BERNARD STEDMAN,

Medical Officer of Health.

# ANNUAL REPORT OF NUISANCES ABATED AND OTHER SANITARY WORK

FOR THE YEAR ENDING 31ST DECEMBER, 1902.

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No. of Inspections made	...	...	...	...	...	230
No. of Nuisances found	...	...	...	...	...	91
No. of Notices served	...	...	...	...	...	45
No. of Water Notices served	...	...	...	...	...	1
New Drains laid by private owners	...	...	...	...	...	654 yds.
Old Drains cleansed, private owners	...	...	...	...	...	230 „
Water Courses cleansed, private owners	...	...	...	...	...	615 „
New Sewers laid by Sanitary Authority	...	...	...	...	...	91 „
Old Sewers re-laid by Sanitary Authority	...	...	...	...	...	249 „
New Sewerage Works constructed at Barlby, consisting of septic tank and reservoir, also detritus tank and by- pass chamber, with manholes, 2 lamp eyes, and large flushing tank; length of new sewer	...	...	...	...	...	1468 „
Water Courses cleansed by Sanitary Authority	...	...	...	...	...	1474 „
New Tubes and Bored Wells	...	...	...	...	...	3
New Brick Wells	...	...	...	...	...	1
Old Walls cleansed	...	...	...	...	...	7
New Pumps	...	...	...	...	...	6
Pumps repaired	...	...	...	...	...	8
New Privies and Ashpits built	...	...	...	...	...	10
Old Privies and Ashpits repaired	...	...	...	...	...	9
Privies removed from houses	...	...	...	...	...	12
Privies converted into box closets	...	...	...	...	...	3
New Urinals to licensed houses	...	...	...	...	...	3
Old Urinals removed	...	...	...	...	...	1
Cesspools cleansed by District Council	...	...	...	...	...	154
New Cesspools	...	...	...	...	...	4
New Gullies	...	...	...	...	...	24
Gullies cleansed	...	...	...	...	...	62
Pigstyes removed from houses	...	...	...	...	...	6
Houses condemned as unfit	...	...	...	...	...	1
Rooms disinfected after zymotic diseases	...	...	...	...	...	12

Plans for New Houses and Buildings passed	...	...	6 yds.
Inspections of New Buildings	...	...	15
No. of Slaughter-houses	...	...	9
Inspection of Slaughter-houses	...	...	16
Canal Boats inspected	...	...	8
Cow-sheds inspected	...	...	5

A. DOUGLAS, Inspector.



TABLE I.

Vital Statistics of Whole District during 1902 and Previous Years.      Name of District, RICCALL RURAL.

Y EAR.	Popula- tion estimated to Middle of each year.	BIRTHS.		Total Deaths Registered in the District.					Total Deaths in Public Institu- tions in the District.	Deaths of Non- residents registered in Public Institu- tions in District.	Deaths of Residents registered in Public Institu- tions be- yond the District.	Nett Deaths at all Ages belonging to the District.		
				Under 1 year of age.		At all Ages.		Rate *				Number	Rate *	Number
		Number.	Rate *	Number.	Rate per 1000 Births registered	Number	Rate *							
1895	3126	98	31.3	7	71	47	15.0	..	..	3	50	16.0		
1896	3126	90	28.7	12	133	55	17.5	..	..	1	56	17.8		
1897	3126	81	26.0	13	160	44	14.0	..	..	1	45	15.0		
1898	3184	85	26.6	17	188	62	19.4	..	2	1	61	19.3		
1899	3000	87	29.0	10	115	42	14.0	..	..	5	47	15.7		
1900	3160	71	22.4	11	155	50	15.8	..	2	4	52	16.4		
1901	3100	93	30.0	11	118	50	16.0	..	..	2	52	16.6		
Averages for years 1895-1901	3117	86	27.6	11	128	50	16.0	..	..	2	52	16.6		
1902	3100	77	24.8	11	143	48	15.5	..	..	3	51	16.4		

\* Rates in Columns 4, 8, and 13 calculated per 1,000 of estimated population.

Area of District in acres	Total population at all ages.....3100	} At Census of 1901.
(exclusive of area covered by water).	Number of inhabited houses.....	
	Average number of persons per house...	

TABLE II.

There are no recognised divisions in the Council's area, therefore Table II. is not given.

TABLE III.

CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE  
YEAR 1902.

RICCALL RURAL DISTRICT.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.						
	At all Ages.	At Ages—Years.					
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and up- wards
Small-pox .. ..							
Cholera .. .. .							
Diphtheria .. ..	5	..	1	1	1	2	..
Membranous Croup							
Erysipelas .. ..							
Scarlet Fever .. ..	1	..	..	1	..	..	..
Typhus Fever .. ..							
Enteric Fever .. ..	2	..	..	..	1	1	..
Relapsing Fever ..							
Continued Fever ..							
Puerperal Fever ..							
Plague .. .. .							
Totals .. .. .	8	..	1	2	2	3	..

Isolation Hospital, none.

TABLE IV.

Causes of, and Ages at, Death during Year 1902.

Name of District, RICCALL RURAL.

CAUSES OF DEATH.	DEATHS IN OR BELONGING TO WHOLE DISTRICT AT SUBJOINED AGES.							TOTAL DEATHS IN PUBLIC INSTITUTIONS IN THE DISTRICT.
	All Ages.	Under 1 Year.	1 and under 5.	5 and under 15	15 and under 25.	25 and under 65.	65 and upwards.	
Small-pox .. ..	..	..	..	..	..	..	..	..
Measles .. ..	..	..	..	..	..	..	..	..
Scarlet Fever .. ..	..	..	..	..	..	..	..	..
Whooping-cough .. ..	..	..	..	..	..	..	..	..
Diphtheria and Mem- branous Croup }	..	..	..	..	..	..	..	..
Croup .. ..	..	..	..	..	..	..	..	..
Fever { Typhus .. ..	..	..	..	..	..	..	..	..
Enteric .. ..	..	..	..	..	..	..	..	..
Other continued .. ..	..	..	..	..	..	..	..	..
Epidemic Influenza ..	1	..	..	..	..	1	..	..
Cholera .. ..	..	..	..	..	..	..	..	..
Plague .. ..	..	..	..	..	..	..	..	..
Diarrhœa .. ..	4	3	1	..	..	..	..	..
Enteritis .. ..	1	1	..	..	..	..	..	..
Puerperal Fever .. ..	..	..	..	..	..	..	..	..
Erysipelas .. ..	..	..	..	..	..	..	..	..
Other Septic Diseases ..	..	..	..	..	..	..	..	..
Phthisis .. ..	6	..	..	..	1	3	2	..
Other Tubercular } Diseases }	1	1	..	..	..	..	..	..
Cancer, Malignant } Disease }	4	..	..	..	..	3	1	..
Bronchitis .. ..	4	3	..	..	..	1	..	..
Pneumonia .. ..	1	..	..	..	..	1	..	..
Pleurisy .. ..	..	..	..	..	..	..	..	..
Other Diseases of Res- piratory Organs }	1	..	1	..	..	..	..	..
Alcoholism } Cirrhosis of Liver }	..	..	..	..	..	..	..	..
Venereal Diseases .. ..	..	..	..	..	..	..	..	..
Premature Birth .. ..	1	1	..	..	..	..	..	..
Diseases and Accidents } of Parturition }	..	..	..	..	..	..	..	..
Heart Diseases .. ..	3	..	..	..	1	1	1	..
Accidents .. ..	1	..	..	..	..	1	..	..
Suicides .. ..	1	..	..	..	..	1	..	..
All other causes .. ..	22	2	1	1	..	4	14	..
All causes .. ..	51	11	3	1	2	16	18	..

In recording the facts under the various headings of Tables I., III. and IV., attention has been given to the notes on the Tables.

BERNARD STEDMAN, Medical Officer of Health.

